

Electronic Acknowledgement Receipt

EFS ID:	7462022
Application Number:	10619796
International Application Number:	
Confirmation Number:	7886
Title of Invention:	SPARSE AND EFFICIENT BLOCK FACTORIZATION FOR INTERACTION DATA
First Named Inventor/Applicant Name:	Francis X. Canning
Customer Number:	20995
Filer:	John R. King/Shirley Martinez
Filer Authorized By:	John R. King
Attorney Docket Number:	CANNING.001CP2
Receipt Date:	21-APR-2010
Filing Date:	15-JUL-2003
Time Stamp:	18:56:40
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	CANNING-001CP2_issuefee.pdf	99539	no	1
			e0104046722b2b9db5b51d711aa9a09c3b2e3d0		

Warnings:**Information:**

2	Miscellaneous Incoming Letter	CANNING-001CP2_commun.pdf	81688	no	2
			43bf8f257ad609a7df5cbbe548c936a93a734cdd		

Warnings:**Information:**

3	Fee Worksheet (PTO-875)	fee-info.pdf	31848	no	2
			22e8d1b58de15ffc4c81943e238eca07dfc977da		

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Total Files Size (in bytes):			213075
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If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

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